ABB Releases the PGC5000 gas chromatograph oven with an Integrated Controller; requires less space and costs less to install than similar products

- Reduces up to 50% the overall shelter space required to house traditional PGC5000 ovens
- Reduces up to 17% the overall cost of the PGC5000 product installation in a shelter

The PGC5000 Integrated Controller combines the core functionality of the PGC5000A master controller into either the PGC5000B or PGC5000C Smart Oven.

Lewisburg, WV – July 6, 2017 - ABB’s Measurement & Analytics business unit announces the release of the PGC5000 gas chromatograph oven with an integrated controller, the newest addition to the PGC5000 process gas chromatography product portfolio for the chemical, petrochemical and refining industries.

Shelter space and the overall initial investment in analytical equipment can be expensive. The PGC5000 oven with an integrated controller offers a low initial investment solution by integrating the single board computer (SBC) directly into the PGC5000B or PGC5000C gas chromatograph ovens. This not only eliminates the costs associated with one dedicated controller per oven architecture, but also reduces the overall size of the analyzer shelter, due to a significant reduction in the space required to house traditional process gas chromatographs. Coupled with three distinct user interface (UI) options, this product offering represents state of the art in process gas chromatograph architecture.

The PGC5000 offers user interface flexibility in three distinct options. It offers Class 1, Division 2/Zone 2 (Division 1/Zone 1 also available) portable notebook PC with wireless or wired Ethernet connection to the ovens, or standard PC networked to the analyzer LAN with wireless or wired Ethernet connection to the ovens. The third interface option is a single PGC5000A controller that can control and serve as the UI for all ovens in a single shelter. The first and second UI options allow for the use of STAR, analyzer maintenance system software, and for each connected oven to be controlled and displayed on the same user interface.

The PGC5000 is offered with an optional secure Wi-Fi wireless access point, with an adjustable transmission distance that limits the connection range to within the shelter. A single PGC5000A controller can connect to all PGC5000 ovens with integrated controller on the same network, using the logical address (analyzer tag name).

The PGC5000 with integrated controller is available for all standard PGC5000B and PGC5000C ovens, including both the air bath and airless oven options. The new option also supports the full offering of detectors: flame ionization detector (FID), multiport and single port thermal conductivity detector (TCD) and flame ionization detector (FPD).
ABB's Measurement & Analytics business unit (www.abb.com/measurement) is among the world's leading manufacturers and suppliers of instrumentation and analyzers. With thousands of experts around the world and high-performance technology, ABB's team is dedicated to making measurement easy for its customers.

About ABB
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